No. 9300022

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Delta and Pine Land Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'DP 3776'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of May in the year of our Lord one thousand nine hundred and ninety-five.*

Attest:

Kenneth [illegible]
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

FORM APPROVED: OMB 0581-0055, Expires 1/31/91

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
DELTA AND PINE LAND COMPANY

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NO.
DPX 3776

3. VARIETY NAME
DP 3776

4. ADDRESS *(street and no. or R.F.D. no., city, state, and ZIP)*
100 Main Street
Scott, Mississippi 38772

5. PHONE *(Include area code)*
(601) 742-3351

FOR OFFICIAL USE ONLY

PVPO NUMBER
9300022

FILING
Date: Nov. 12, 1992
Time: 3:04 ☐ A.M. ☑ P.M.

FEES RECEIVED
Filing and Examination Fee: $2150.00
Date: Nov. 12, 1992
Certificate Fee: $300.00
Date: April 24, 1995

6. GENUS AND SPECIES NAME
Glycine max

7. FAMILY NAME *(Botanical)*
Leguminosae

8. CROP KIND NAME *(Common Name)*
Soybean

9. DATE OF DETERMINATION
1986

10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION *(Corporation, partnership, association, etc.)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
Delaware

12. DATE OF INCORPORATION

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
Harry B. Collins
Delta and Pine Land Company
P.O. Box 157
Scott, MS 38772

PHONE *(Include area code)*:

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(Follow INSTRUCTIONS on reverse)*

a. ☒ Exhibit A, Origin and Breeding History of the Variety.
b. ☒ Exhibit B, Novelty Statement.
c. ☒ Exhibit C, Objective Description of Variety.
d. ☒ Exhibit D, Additional Description of Variety.
e. ☒ Exhibit E, Statement of the Basis of Applicant's Ownership.
f. ☒ Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office _____.
g. ☒ Filing and Examination Fee ($2,150) made payable to "Treasurer of the United States."

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See section 83(a) of the Plant Variety Protection Act.)*
☐ YES *(If "YES," answer items 16 and 17 below)* ☒ NO *(If "NO," skip to item 18 below)*

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☐ YES ☐ NO

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?
☐ YES *(If "YES," through* ☐ Plant Variety Protection Act ☐ Patent Act. Give date: _____.)
☒ NO

19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
☒ YES (If "YES," give names of countries and dates) USA - January --June, 1992
☐ NO

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT *(Owner(s))*	CAPACITY OR TITLE	DATE
J. Grover Thagard	Midsouth Soybean Breeder	11-9-92
SIGNATURE OF APPLICANT *(Owner(s))*	CAPACITY OR TITLE	DATE
Harry B. Collins	Vice President Director of Research	11-9-92

EXHIBIT A

DELTA AND PINE LAND COMPANY'S APPLICATION FOR DP 3776

ORIGIN AND BREEDING HISTORY

	1983-	Original cross between A7986 and A5980
Winter	1984-	F_1 grown in lighted hills in winter nursery
Summer Winter	1984 1985	F_2 advanced to F_4 by modified single seed descent
Summer	1985-	F_4 population grown and individual plants pulled
	1986-	F_5 plant rows grown and selected rows composited. Row 8608936 was determined to be stable and breeding true for characteristics described in exhibit C of this application. At this time no variants are known or have been observed.
	1987-	8608936 entered in Preliminary yield tests
	1988- 1990	Tested in Advanced yield tests across locations in midsouth and southeast. Increased seed to 965 units. Off-type plants were removed from seed stocks in the process of the increase.
	1991-	Tested as DPX 3776 in state experiment station trials. Seed increased to 8,655 units.
	1992-	Released as DP 3776.

EXHIBIT B
Delta and Pine Land Company's Application for DP 3776

Novelty Statement

DP 3776 is most similar to the variety A7986 and A6961. Differences include but are not necessarily restricted to the following:

1) DP 3776 has white flowers and buff hila whereas A7986 has purple flowers and imperfect black hila.

2) DP 3776 is susceptible to soybean cyst nematode whereas A6961 is resistant to races 3 and 14 of cyst nematode.

FORM APPROVED: OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Soybean)

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (Glycine max L.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
DELTA AND PINE LAND COMPANY	DPX 3776	DP 3776

ADDRESS *(Street and No., or R.F.D. No., City, State, and Zip Code)*

100 Main Street
Scott, Mississippi 38772

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PVPO NUMBER

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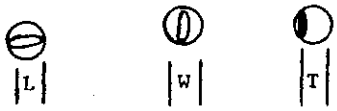
Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero in the first box when number is 9 or less (e.g., [0][9]). Starred characters ★ are considered fundamental to an adequate soybean variety description. Other characters should be described when information is available.

1. SEED SHAPE:

[2]



1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)
2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)
3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)
4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2)

★ **2. SEED COAT COLOR: (Mature Seed)**

[1] 1 = Yellow 2 = Green 3 = Brown 4 = Black 5 = Other *(Specify)* _____

3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

[22] 1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebsoy'; 'Gasoy 17')

★ **4. SEED SIZE: (Mature Seed)**

[1][5] Grams per 100 seeds

★ **5. HILUM COLOR: (Mature Seed)**

[1] 1 = Buff 2 = Yellow 3 = Brown 4 = Gray 5 = Imperfect Black 6 = Black 7 = Other *(Specify)* _____

★ **6. COTYLEDON COLOR: (Mature Seed)**

[1] 1 = Yellow 2 = Green

★ **7. SEED PROTEIN PEROXIDASE ACTIVITY:**

[2] 1 = Low 2 = High

★ **8. SEED PROTEIN ELECTROPHORETIC BAND:**

[ ] 1 = Type A ($SP1^a$) 2 = Type B ($SP1^b$)

★ **9. HYPOCOTYL COLOR:**

[1] 1 = Green only ('Evans'; 'Davis') 2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy')
3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')
4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')

★ **10. LEAFLET SHAPE:**

[3] 1 = Lanceolate 2 = Oval 3 = Ovate 4 = Other *(Specify)* _____

4

11. LEAFLET SIZE:

[2] 1 = Small ('Amsoy 71'; 'A5312') 2 = Medium ('Corsoy 79'; 'Gasoy 17') 3 = Large ('Crawford'; 'Tracy')

12. LEAF COLOR:

[3] 1 = Light Green ('Weber'; 'York') 2 = Medium Green ('Corsoy 79'; 'Braxton') 3 = Dark Green ('Gnome'; 'Tracy')

★ **13. FLOWER COLOR:**

[1] 1 = White 2 = Purple 3 = White with purple throat

★ **14. POD COLOR:**

[1] 1 = Tan 2 = Brown 3 = Black

★ **15. PLANT PUBESCENCE COLOR:**

[1] 1 = Gray 2 = Brown (Tawny)

16. PLANT TYPES:

[2] 1 = Slender ('Essex'; 'Amsoy 71') 2 = Intermediate ('Amcor'; 'Braxton') 3 = Bushy ('Gnome'; 'Govan')

★ **17. PLANT HABIT:**

[1] 1 = Determinate ('Gnome'; 'Braxton') 2 = Semi-Determinate ('Will') 3 = Indeterminate ('Nebsoy'; 'Improved Pelican')

★ **18. MATURITY GROUP:**

[1][0] 1 = 000 2 = 00 3 = 0 4 = I 5 = II 6 = III 7 = IV 8 = V 9 = VI 10 = VII 11 = VIII 12 = IX 13 = X

★ **19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)**

BACTERIAL DISEASES:

★ [2] Bacterial Pustule *(Xanthomonas phaseoli* var. *sojensis)*

★ [ ] Bacterial Blight *(Pseudomonas glycinea)*

★ [2] Wildfire *(Pseudomonas tabaci)*

FUNGAL DISEASES:

★ [0] Brown Spot *(Septoria glycines)*

Frogeye Leaf Spot *(Cercospora sojina)*

★ [ ] Race 1 [ ] Race 2 [ ] Race 3 [ ] Race 4 [ ] Race 5 [2] Other *(Specify)* Races unknown

[0] Target Spot *(Corynespora cassiicola)*

[0] Downy Mildew *(Peronospora trifoliorum* var. *manshurica)*

[0] Powdery Mildew *(Microsphaera diffusa)*

★ [0] Brown Stem Rot *(Cephalosporium gregatum)*

[2] Stem Canker *(Diaporthe phaseolorum* var. *caulivora)*

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19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

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FUNGAL DISEASES: (Continued)

★ [0] Pod and Stem Blight *(Diaporthe phaseolorum* var; *sojae)*

[0] Purple Seed Stain *(Cercospora kikuchii)*

[0] Rhizoctonia Root Rot *(Rhizoctonia solani)*

Phytophthora Rot *(Phytophthora megasperma* var. *sojae)*

★ [1] Race 1 [ ] Race 2 [ ] Race 3 [ ] Race 4 [ ] Race 5 [ ] Race 6 [ ] Race 7

[ ] Race 8 [ ] Race 9 [ ] Other *(Specify)* _____

VIRAL DISEASES:

[0] Bud Blight (Tobacco Ringspot Virus)

[0] Yellow Mosaic (Bean Yellow Mosaic Virus)

★ [0] Cowpea Mosaic (Cowpea Chlorotic Virus)

[0] Pod Mottle (Bean Pod Mottle Virus)

★ [0] Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

Soybean Cyst Nematode *(Heterodera glycines)*

★ [1] Race 1 [ ] Race 2 [1] Race 3 [ ] Race 4 [1] Other *(Specify)* Race 14

[0] Lance Nematode *(Hoplolaimus Colombus)*

★ [2] Southern Root Knot Nematode *(Meloidogyne incognita)*

★ [0] Northern Root Knot Nematode *(Meloidogyne Hapla)*

[1] Peanut Root Knot Nematode *(Meloidogyne arenaria)*

[0] Reniform Nematode *(Rotylenchulus reniformis)*

[ ] OTHER DISEASE NOT ON FORM *(Specify)*: _____

20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

★ [0] Iron Chlorosis on Calcareous Soil

[1] Other *(Specify)* High Chloride

21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[1] Mexican Bean Beetle *(Epilachna varivestis)*

[2] Potato Leaf Hopper *(Empoasca fabae)*

[ ] Other *(Specify)* _____

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	A7986	Seed Coat Luster	A7986
Leaf Shape	A7986	Seed Size	A7986
Leaf Color	A7986	Seed Shape	A7986
Leaf Size	A7986	Seedling Pigmentation	A7986

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

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VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS/ POD
				CM Width	CM Length	% Protein	% Oil		
DP 3776 Submitted	146	1.9	96			39.2	21.6	3100	
A7986 Name of Similar Variety	149	2.0	91			40.3	20.1	3100	

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A_2 in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.

EXHIBIT D
Delta and Pine Land Company's Application for DP 3776
Additional Description of Variety

Description of DP 3776

DP 3776 is a late group VII soybean maturing about two (2) days earlier than DP 417 and three (3) days earlier than A7986. It is being released because of its excellent yield potential, standability disease resistance and adaptability to a range of environments across the midsouth and southeast as compared to other varieties of similar maturity. It has white flowers, grey pubescence, and tan pods. Seeds are shiny yellow with buff hila and are of size averaging about 3100 seed per pound. DP 3776 has shown resistance to stem canker and frogeye leaf spot and tolerance to some races of cyst nematode. It has shown moderate resistance to common root knot nematode and excellent field resistance to phytophthora root rot and aerial blight in D&PL tests.

II. Agronomic Characteristics:

	DPX 3776 (Nominee)	H7126 (Check)	Braxton (Check)
Maturity	+1	0	+1
Plant Height	40	42	40
Lodging	2.0	2.9	2.5
Shattering	Excellent	Excellent	Excellent
Seedling Emergence	-----	------	-------
% Protein	39.2	37.7	39.6
% Oils	21.6	23.0	20.8
Seeds/lb.	2975-3350	3350-3650	2900-3350

III. Add Yield Data (as Outlined in Instruction Part B) should be included in table on attached pages.

1988-90 YIELD AND AGRONOMIC DATA SUMMARIES

LINE	YIELD	% YIELD	MAT	HGT	LDG
DP 3776	53.3	109	+1	38	1.9
A 7986	48.4	99	+4	36	2.0
H 7126	48.8	100	0	40	2.8
Braxton	46.1	94	+1	39	2.3
DP 417 *	44.1	90	+2	43	2.7
# Locations	25	25	13	21	20

* 1989-90 Data Only

1990 YIELD AND AGRONOMIC DATA SUMMARY

LINE	YIELD	% YIELD	MAT	HGT	LDG
DP 3776	50.7	111	+5	36	1.7
A 7986	47.5	104	+7	35	1.9
H 7126	45.6	100	0	36	2.4
Braxton	45.7	100	+2	36	1.8
DP 417	45.8	100	+6	42	2.7
# Locations	9	9	5	6	6

1989 YIELD AND AGRONOMIC DATA SUMMARY

LINE	YIELD	% YIELD	MAT	HGT	LDG
DP 3776	51.5	106	+1	39	1.9
DP 417	42.5	88	+3	44	2.6
H 7126	48.6	100	0	40	2.5
Braxton	43.8	90	+2	39	2.0
A 7986	45.9	94	+4	38	2.1
# Locations	10	10	5	10	9

1988 YIELD AND AGRONOMIC DATA SUMMARY

LINE	YIELD	% YIELD	MAT	HGT	LDG
DP 3776	60.3	120	+1	43	2.1
H 7126	50.8	100	0	43	3.2
Braxton	49.7	98	0	41	3.0
A 7986	53.8	106	+3	42	2.1
# Locations	6	6	3	5	5

YIELD SUMMARY

By Region- 1988-90 Yield in BU/A

	MIDSOUTH		SOUTHEAST		MEAN	
LINE	YIELD	% YIELD	YIELD	% YIELD	YIELD	% YIELD
DP 3776	54.4	112	52.1	105	53.3	109
H 7126	48.4	100	49.6	100	48.8	100
Braxton	45.6	94	47.2	95	46.1	94
DP 417	41.0	85	48.2	97	44.1	90
# Tests	17		8		25	

By States- 1988-90

LINE	AR	MS	LA	NC	SC	GA	MEAN
DP 3776	54.8	60.4	50.0	53.7	51.6	44.9	53.3
H 7126	49.5	50.1	46.1	52.8	48.1	36.0	48.8
Braxton	43.7	50.3	42.5	50.9	49.5	36.1	45.9
DP 417	41.7	48.3	32.8	50.7	48.3	37.8	44.1
# Tests	4	7	6	5	2	1	25

By Soil Type & Disease Situation

LINE	LOAM	CLAY	SCN	Stem Canker	Frogeye	Aerial Blight	PF
DP 3776	58.0	57.2	43.2	54.2	48.0	49.8	58.
H 7126	51.6	48.4	48.3	46.1	46.1	42.2	43.
Braxton	49.4	48.6	38.2	41.5	38.9	45.8	48.
DP 417	48.7	46.8	40.5	34.5	41.4	----	44.
# Tests	9	5	3	2	1	1	

1988 - 1990 HEAD TO HEAD COMPARISONS

DPX 3776 versus	H 7126	Braxton	DP 417	A 7986
Total Comparisons	25	25	19	25
Won By	5.3 BU	7.4 BU	7.0 BU	4.4 BU
% Wins	84	96	89	84

YIELD BY TEST AND LOCATIONS

1990 075M- YIELD IN BU/A

LINE	Dumas	Scott, MS		Lake	Crowley	Kenley	Columbia	Oswego	Arlington
	AR	LOAM	CLAY	Prov.	LA	NC	NC	SC	GA
DPX 3776	43.1	72.2	59.9	51.4	22.5	47.6	59.6	55.0	50.7
A 7126	36.2	59.6	60.3	43.3	27.4	36.9	57.1	53.8	45.6
Braxton	40.1	60.2	55.7	45.5	26.9	40.0	54.2	52.7	36.1
DP 417	35.8	51.1	57.6	41.8	32.5	49.2	54.8	51.6	37.8
A 7986	42.7	60.8	56.4	44.5	27.5	37.4	54.3	54.9	48.9
CV%	11.7	4.5	7.0	10.3	18.2	12.1	7.9	9.9	15.4

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LINE	MEAN
DPX 3776	50.7
A 7126	45.6
Braxton	45.7
DP 417	45.8
A 7986	47.5
CV%	10.0

1989 976V- YIELD IN BU/A

LINE	Marion AR	Dumas AR	Tunica MS	Indianola MS	Scott MS	Lake Prov. Loam	Lake Prov. Clay	Kenly NC	Columbia NC	Oswego SC
DP 3776	65.3	53.7	58.7	52.8	57.2	31.2	48.0	61.3	38.7	51.5
H 7126	55.9	55.1	44.2	41.9	56.0	24.4	46.1	60.1	52.5	42.4
Braxton	42.8	49.8	41.9	49.2	48.0	30.0	38.9	63.4	24.6	46.2
DP 417	35.1	47.6	41.3	44.3	47.4	15.3	41.4	60.5	38.2	45.0
A 7986	51.7	53.8	57.0	46.1	55.5	22.6	42.7	35.9	30.7	43.4
CV%	11.0	8.1	11.4	7.8	7.7	15.4	8.3	18.4	14.7	9.8

LINE	MEAN
DP 3776	51.5
H 7126	48.6
Braxton	43.8
DP 417	42.5
A 7986	45.9
CV%	----

1988 V750

LINE	Marion AR	Tunica MS	Greenville MS	Lake Prov. LA	V. Platte LA	Wilson NC	Mean
DP 3776	57.0	60.7	61.4	71.7	49.8	61.0	60.2
H 7126	50.6	51.5	37.2	66.3	42.2	57.1	50.8
Braxton	42.1	46.5	50.7	52.9	45.8	60.4	49.7
A 7986	43.9	56.8	50.6	64.7	44.6	62.0	53.8
CV%	8.8	6.1	10.4	7.6	9.2	6.1	----

Root-knot N matode Reaction 1= no galling 5= very severe galling

	M. incognita 1989	M. incognita 1990	M. arenaria 1989	M. arenaria 1990
DP 3776	2.8	1.3	4.5	2.0
H 7126	3.5	3.5	4.0	3.0
Braxton	1.8	1.5	3.0	2.0
DP 417	1.0	1.0	4.0	3.5
A 7986	2.0	4.8	5.0	3.5

Location: Hattiesburg, MS

Conducted by: Grady Simpson & Grover Shannon

Dr. Robert Kinloch, Nematologist
University of Florida, Jay, FL.

Stem Canker Reaction 1= none 5= very severe

	Marion, AR 1989	Scott, MS 1990
DP 3776	1.4	1.0
H 7126	3.1	2.3
Braxton	1.6	1.0
DP 417	2.8	2.8
A 7986	1.3	1.0

11

Conducted by:
Dr. Chris Tinius

Grady Simpson &
Grover Shannon

Foliar Disease Reaction 1=none 5= very severe

	Frogeye Leaf Spot 1989	1990		1989	1990
DP 3776	1.0	1.0	A 7986	1.7	1.5
H 7126	1.0	1.0			
Braxton	3.0	2.7			
DP 417	4.0	2.5			

Location:
Lake Providence, LA
Conducted by:
Grover Shannon

MISCELLANEOUS

Herbicide Tolerance: DP 3776 was not tested, but showed no obvious sensitivity to scepter, sencor, and other herbicides applied at various yield testing sites

Iron Cholorosis: Not a problem where DP 3776 is adapted.

Seed Stock: 1273 Units of Foundation Seed
965 Units of Foundation Seed of DP 3776
plus 308 more Units of a Sister Line DPX 3779
which is very very similar that could be blended.

EXHIBIT E

DELTA AND PINE LAND COMPANY'S APPLICATION FOR DP 3776

STATEMENT OF APPLICANT'S OWNERSHIP

Delta and Pine Land Company is owner of the soybean variety DP 3776 through purchase of the variety. The variety was developed by an eligible applicant and; therefore, the variety is eligible for protection.